

**REMARKS**

**Formalities**

With this Amendment, Applicants cancel Claims 74, 77, 91, and 94 and add new Claims 103-106. No new matter is added. Therefore, Claims 73, 75, 76, 78-83, 84-90, 92, 93, and 95-106 are all the claims currently pending in the present application.

**Allowable Subject Matter**

The Examiner indicates that Claims 77, 78, 87, 95, 95, 97, 101 and 102 contain allowable subject matter and would be allowed if rewritten into independent form, including all of the limitations of the claims from which they depend.

**Claims 73-83, 86-89, and 95-101**

Claim 73. In view of the above-discussed allowability of claim 77, Claim 73 has been amended to include all of the limitations of allowable Claim 77 and of Claim 74, from which claim 77 depended. Claims 74 and 77 have been cancelled. Applicants submit that amended Claim 73 is allowable and allowance thereof is respectfully requested.

Claims 76, 80, 82, 83, 86, 88, 89, and 95-100. In view of the amendments to Claim 73, Applicants submit that Claims 76, 80, 82, 83, 86, 88, 89, and 95-100 are allowable at least by virtue of their dependence on Claim 73, and their allowance is respectfully requested.

Additionally, since Claim 89 is directed towards an array of optical waveguides wherein the respective optical waveguides of the array are optical waveguides as recited in Claim 73, it is respectfully submitted that once the Examiner is satisfied of the allowability of Claim 73, that Claim 89 should likewise be allowable, and allowance thereof is respectfully requested.

Claims 75, 78, 79, 81, 87, and 101. Claims 75, 78, 79, 81, 87, and 101 have been amended to depend from Claim 73. Therefore, in view of the amendments to Claim 73, Applicants submit that these claims are allowable at least by virtue of their dependence on Claim 73 and respectfully request their allowance.

**Claims 90-94 and 102**

Claim 90. In view of the above-discussed allowability of Claim 94, Claim 90 has been amended to include all of the limitations of allowable Claim 94 and of intervening Claim 91. Claims 91 and 94 have been cancelled. Regarding Claim 92, from which Claim 94 previously depended, it is respectfully submitted that Claim 94 was erroneously dependent on Claim 92, and should in fact have been dependent on Claim 91. Accordingly, in amending Claim 90, only the features of Claims 94 and 91 have been included. However, it is respectfully submitted that the invention of the amended Claim 90 is novel and not obvious. In fact, the amended Claim 90 is now of substantially identical scope to that of allowable Claim 78. Claim 78 was directed to an optical waveguide and was dependent on Claim 73 through Claim 74. Claim 94, which was directed toward a method for providing an optical waveguide for outputting light of a substantially single predetermined wavelength recited a feature which is identical in scope to that recited in Claim 78, and Claim 91, which was also directed to the method, recited a feature which is identical in scope to that of Claim 74. Accordingly, it is respectfully submitted that since the Examiner is prepared to allow Claim 78, it is respectfully submitted that amended Claim 90 should likewise be allowable in its present form, and allowance thereof is respectfully requested.

Claims 92, 93, and 101. Claims 92, 93, and 101 have been amended to depend from Claim 90. Therefore, in view of the amendments to Claim 90, Applicants submit that these claims are allowable at least by virtue of their dependence on Claim 90 and respectfully request their allowance.

**New Claims 103-106**

Claim 103. New Claim 103 includes all the limitations of allowable Claim 78, and of Claims 74 and 73 on which Claim 78 depended. Accordingly, it is respectfully submitted that new Claim 103 should now be allowable and allowance is respectfully requested.

Claim 104. New Claim 104 includes all the limitations of allowable Claim 87, and of Claims 86 and 73 on which Claim 87 depended. Accordingly, it is respectfully submitted that new Claim 104 should be allowable and allowance is respectfully requested.

Claim 105. New Claim 105 includes all the limitations of allowable Claim 101, and of Claims 86 and 73 on which Claim 101 depended. Accordingly, it is respectfully submitted that new Claim 105 should be allowable and allowance is respectfully requested.

Claim 106. New Claim 106 is directed towards a method for providing an optical waveguide for outputting light of a substantially single predetermined wavelength. New Claim 106 includes all the features of the original Claims 90 and 91, and a feature which corresponds directly with Claim 77, which the Examiner is prepared to allow. Accordingly, new Claim 106, which is directed towards a method for providing an optical waveguide for outputting light of a substantially single predetermined wavelength includes method steps which correspond to all the features of amended Claim 73. Additionally, new independent Claim 106 is based on Claim 443

of the originally-filed claims, and has a fair basis in the specification at page 9, lines 6-19 and at page 5, lines 6-12. Accordingly, it is respectfully submitted that once the Examiner is satisfied of the allowability of the amended Claim 73, new Claim 106 should likewise be allowable, and allowance thereof is respectfully requested.

**Conclusion**

In view of the above, reconsideration and allowance of this application are now believed to be in order, and such actions are hereby solicited. If any points remain in issue which the Examiner feels may be best resolved through a personal or telephone interview, the Examiner is kindly requested to contact the undersigned attorney at the telephone number listed below.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

Respectfully submitted,



Laura Moskowitz  
Registration No. 55,470

SUGHRUE MION, PLLC  
Telephone: (202) 293-7060  
Facsimile: (202) 293-7860

WASHINGTON OFFICE

**23373**

CUSTOMER NUMBER

Date: July 15, 2005